

10/620,619

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STN Express with Discover!
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NEWS 7 SEP 27 SWETSCAN will no longer be available on STN
NEWS 8 OCT 28 KOREAPAT now available on STN
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:50:27 ON 22 NOV 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.05

1.05

FILE 'REGISTRY' ENTERED AT 14:53:29 ON 22 NOV 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 NOV 2004 HIGHEST RN 785750-23-4
DICTIONARY FILE UPDATES: 21 NOV 2004 HIGHEST RN 785750-23-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

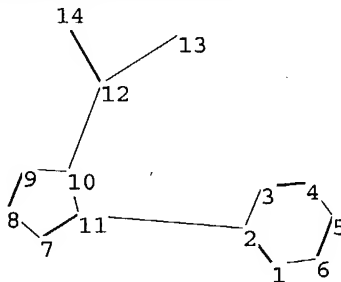
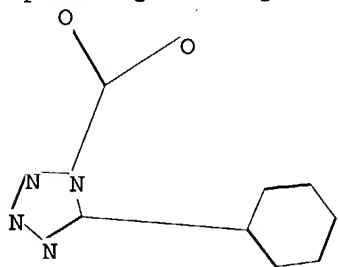
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10620619.str



chain nodes :

12 13 14

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-11 10-12 12-13 12-14

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11

exact/norm bonds :

7-8 7-11 8-9 9-10 10-11 10-12 12-13 12-14

exact bonds :

2-11

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 : 7 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

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=> s l1

SAMPLE SEARCH INITIATED 14:53:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 44 TO 476
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 14:53:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 334 TO ITERATE

100.0% PROCESSED 334 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	156.47

FILE 'CAPLUS' ENTERED AT 14:54:04 ON 22 NOV 2004
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FILE COVERS 1907 - 22 Nov 2004 VOL 141 ISS 22
FILE LAST UPDATED: 21 Nov 2004 (20041121/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 2 L3

=> d l4 ibib hitstr abs 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:632279 CAPLUS
DOCUMENT NUMBER: 115:232279
TITLE: Preparation of 7-(biphenylmethyl)-4-oxothieno[2,3-

b]pyrimidine-5-carboxylates as angiotensin II antagonists
 INVENTOR(S): Morimoto, Akira; Nishikawa, Kohei; Naka, Takehiko
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
 SOURCE: Eur. Pat. Appl., 47 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 443568	A1	19910828	EP 1991-102513	19910221
EP 443568	B1	19960612		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 2036618	AA	19910823	CA 1991-2036618	19910219
CA 2036618	C	20021029		
JP 07061986	A2	19950307	JP 1991-27273	19910221
JP 3035745	B2	20000424		
AT 139233	E	19960615	AT 1991-102513	19910221
US 5284661	A	19940208	US 1993-47368	19930419
PRIORITY APPLN. INFO.:			JP 1990-42125	A 19900222
			JP 1991-3958	A 19910117
			US 1991-657051	B1 19910219

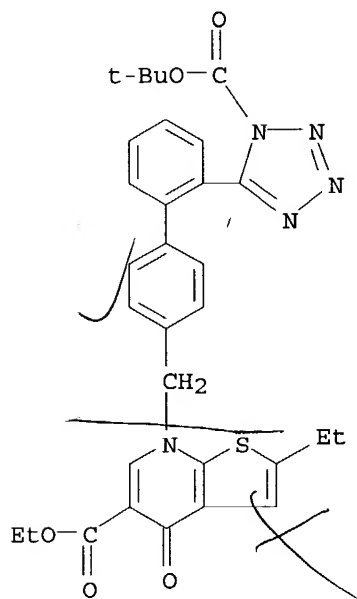
OTHER SOURCE(S): MARPAT 115:232279

IT 137070-37-2P

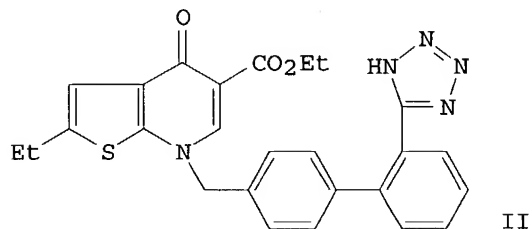
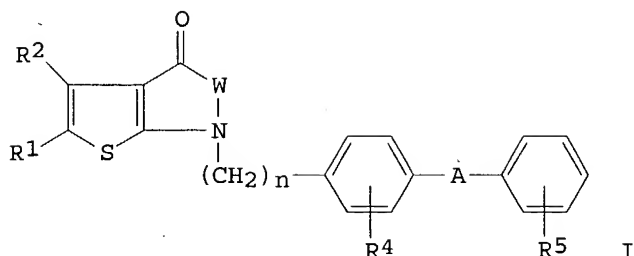
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of as intermediate for angiotensin II antagonist)

RN 137070-37-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 7-[[2'-[1-[(1,1-dimethylethoxy)carbonyl]-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-2-ethyl-4,7-dihydro-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)



GI



AB Title compds. [I; R1, R2 = H, halo, cyano, NO2, acylamino, (substituted) hydrocarbyl; R3 = H, (substituted) alkyl, alkenyl, COX; X = H, alkoxy, OH, halo, amino; R4 = H, halo, NO2; R5 = residue capable of forming an anion or convertible to an anion; R6 = H, (substituted) alkyl, alkenyl; R7 = (substituted) hydrocarbyl; A = bond, spacer group; n = 1,2; W = CR3:CR6, NR7CO], were prepared. Thus, Et 2-ethyl-4-hydroxythieno[2,3-b]pyridine-5-carboxylate, 4-(2'-cyanophenyl)benzyl chloride, and K2CO3 were stirred at 90° for 2 h to give 60% coupling product, which was stirred with NaN3 and NH4Cl in DMF at 110° to give 13% title compound II. Several I at 30 mg/kg orally in rats inhibited the pressor response of angiotensin II by ≥70%. Tablets were prepared containing II.

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1973:492341 CAPLUS

DOCUMENT NUMBER: 79:92341

TITLE: Formation of tin-nitrogen bonds. V. Selective 1-substitution reaction of tetrazoles by the reaction of 5-substituted 2-(tri-n-butylstannyl)tetrazoles with methyl iodide, methyl p-toluenesulfonate, dimethyl sulfate, and ethyl bromoacetate

AUTHOR(S): Isida, Tyuzo; Akiyama, Tetsuo; Nabika, Kiyoshi; Sisido, Keiiti; Kozima, Sinpei

CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, Japan

SOURCE: Bulletin of the Chemical Society of Japan (1973), 46(7), 2176-80

CODEN: BCSJA8; ISSN: 0009-2673

DOCUMENT TYPE: Journal

LANGUAGE: English

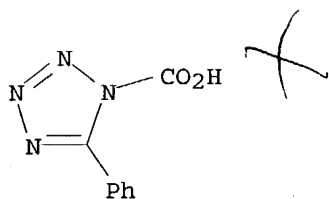
IT 43131-55-1P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 43131-55-1 CAPLUS

CN 1H-Tetrazole-1-carboxylic acid, 5-phenyl- (9CI) (CA INDEX NAME)

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AB Selective 1-substitution tetrazole by treating 5-substituted 2-(tributylstannyl)tetrazoles with MeI, MeO₃SC₆H₄Me-p(MeO)₂-SO₂, EtO₂CCH₂Br at room temperature Selectivity was introduced by blocking N-2 with the Bu₃Sn group against 2-substitution. 5-substituted 2-(trimethylstannyl)tetrazoles gave low selectivity.

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
9.96	166.43

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.40	-1.40

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STN INTERNATIONAL LOGOFF AT 14:54:40 ON 22 NOV 2004